APPLIED MATHEMATICS AND COMPUTATION

VOLUME 84

JUN ZHANG
Minimal Residual Smoothing in Multi-Level Iterative Method 1

KEVIN CARMODY
Circular and Hyperbolic Quaternions, Octonions, and Sedenions—Further Results 27

XIAOFENG YANG, TIELONG SHEN, AND KATSUTOSHI TAMURA
Approximate Solution of Hamilton–Jacobi Inequality by Neural Networks 49

J. ARTHUR WOODWARD, WAN-CHING LIU, AND DOUGLAS G. BONETT
Shortest Two-Tailed Confidence Intervals 65

YAU SHU WONG, QIANSHUN CHANG, AND LIANGER GONG
An Initial-Boundary Value Problem of a Nonlinear Klein-Gordon Equation 77

J. M. SORIANO
Erratum: Extremum Points of a Convex Function 95

H. W. GOULD AND H. M. SRIVASTAVA
Some Combinatorial Identities Associated with the Vandermonde Convolution 97

SUMEDHA JAYAWARDENE AND SHIE-SHIEN YANG
On Using Linear Ordered Rank Statistics for Detecting Early Differences between Two Distributions 103

ZONGMIN WU
Compactly Supported Radial Functions and the Strang-Fix Condition 115

BO TIAN AND YI-TIAN GAO
Solutions of a Variable-Coefficient Kadomtsev-Petviashvili Equation via Computer Alegbra 125

(Continued)

T. E. Simos
Modified Runge-Kutta Methods for the Numerical Solution of ODEs with Oscillating Solutions 131

Pierre-Alain Gremaud
Numerical Simulation of Pattern Formation in Grain Flows 145

Mandri Obeyesekere and Ronald M. Anderson
A Model for Water Uptake in Plants 163

Zhenghua Lin, Bo Yu, and Guochen Feng
A Combined Homotopy Interior Point Method for Convex Nonlinear Programming 193

Nassar H. S. Haidar
Recursive Pseudo-Inversion of the Laplace Transform on the Real Line 213

M. Solomonovich, L. P. Apedaile, H. I. Freedman, A. H. Gebremedihen, S. G. M. Schilizzi, and L. Belostotski
A Dynamical Economic Model of Sustainable Agriculture and the Ecosphere 221

Rosa Maria Spitaleri and Vania Regolo
Multiblock Multigrid Grid Generation Algorithms: Overcoming Multigrid Anisotropy 247

M. S. Aminzadeh
Estimation of Reliability for Exponential Stress-Strength Models with Explanatory Variables 269

Maithili Sharan, E. J. Kansa, and Suman Gupta
Application of the Multiquadric Method for Numerical Solution of Elliptic Partial Differential Equations 275

Volume Contents